Set Name side by side	Query	Hit Count	Set Name result set
	DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=AND		
L22	Kucherlapati-raju.in.	25	L22
L21	L18 and (10.sup 9)	108	L21
L20	L19 and (lymphatic adj cell)	1	L20
L19	L18 and (human adj immunoglobulin)	212	L19
L18	L17 and (transgenic adj mouse)	364	L18
L17	(human adj antibody) and (display adj library)	823	L17
L16	((human adj antibody) adj (display adj library))	1	L16
L15	L13 and (100 adj different)	21	L15
L14	L13 and (100 adj different)	21	L14
L13	L12 and (display adj library)	227	L13
L12	L8 and (50%)	933	L12
L11	L8 and ((encoding adj human) adj (antibody adj chain))	0	L11
L10	L5 and (10.sup 9)	1	L10
L9	L3 and (10 sup9)	0	L9
L8	L3 and (10.sup 9)	1032	L8
L7	L3 and (10.sup9)	0	L7
L6	L3 and (10 sup-9)	0	L6
L5	6,057,098.pn.	2	L5
L4	L3 and (10adj9)	0	L4
L3	L2 and ((nucleic adj acid) or (vector or phage or phagemid))	3974	L3
L2	(library) and (human adj antibody)	4048	L2
L1	Buechler-joe.in.	5	L1

END OF SEARCH HISTORY

Microbiology 101p337 20
MEDIUM: print
CONFERENCE/MEETING: 101st General Meeting of the American Society for Microbiology Orlando, FL, USA May 20-24, 2001
ISSN: 1060-2011
RECORD TYPE: Abstract
LANGUAGE: English

...ABSTRACT: carriers induced protection against a C. neoformans challenge. In this study, we examined the immunogenicity of a P13-tetanus toxoid (P13-TT) conjugate in a *transgenic* *mouse* strain reconstituted with *human* *immunoglobulin* loci (XenoMouse). Vaccination with the conjugate elicited IgM and low titers of IgG to GXM after boosting. P13-TT also elicited IgM and IgG to...
...whereas antibodies to P13 only expressed the determinant recognized by 16.84. These results indicate that a GXM mimotope elicited human antibodies to GXM in *human* *immunoglobulin* transgenic mice that have the same idiotypic profile as naturally occurring and GXM-TT elicited antibodies found in humans. These findings support the use of this *human* *immunoglobulin* *transgenic* *mouse* model to study the human antibody response to C. neoformans.

16/3,K/8 (Item 1 from file: 73)
DIALOG(R)File 73:EMBASE

10512466 EMBASE No: 1999423573
Dominance of intrinsic genetic factors in shaping the human immunoglobulin V(lambda) repertoire
Ignatovich O.; Tomlinson I.M.; Popov A.V.; Bruggemann M.; Winter G.
O. Ignatovich, MRC Laboratory of Molecular Biology, Hills Road, Cambridge CB2 2QH United Kingdom
AUTHOR EMAIL: oil@mrc-lmb.cam.ac.uk
Journal of Molecular Biology (J. MOL. BIOL.) (United Kingdom) 26 NOV 1999, 294/2 (457-465)
CODEN: JMOBA ISSN: 0022-2836
DOCUMENT TYPE: Journal; Article
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH
NUMBER OF REFERENCES: 51

The expressed *human* *immunoglobulin* V(lambda) repertoire demonstrates a strong bias in the use of individual V(lambda) segments. Mechanisms that underlie such biases can be divided into two...

...from the human genomic DNA of peripheral blood cells. Secondly, we analysed V(lambda) segment use in a library of 2000 cDNA clones from a *transgenic* *mouse* containing a 380 kb region (including 15 functional V(lambda) segments) from the *human* *immunoglobulin* it locus. By hybridisation and sequencing we found that the patterns of use of human V(lambda) segments in the *transgenic* *mouse* were similar to those found in the expressed human peripheral blood repertoire and in productive and non-productive genomic DNA rearrangements. These data indicate the...
ds

Items	Description
0	(HUMAN (W) ANTIBODY (W) DIPLAY (W) LIBRARY)
0	(HUMAN (W) FAB (W) DISPLAY (W) LIBRARY)
0	(DIPLAY (W) LIBRARY) AND (HUMAN (W) (ANTIBODY OR ANTIBODIES))
31	(ANTIBODY (W) DISPLAY (W) LIBRARY)
0	S4 AND (TRANSGENIC (W) MOUSE)
12	RD S4 (unique items)
0	S6 AND (10.SUP (W) 9)
9	(HUMAN (W) ANTIBODY) (S) (TRANSGENIC (W) MOUSE)
5	RD (unique items)

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S10          0   (XENOMOU[redacted] AND (LIBRARY (W) DISPLAY)
S11         41   (XENOMOUSE)
S12         23   RD (unique items)
S13          9   S12 AND (HUMAN (W) ANTIBODY)
S14          9   RD (unique items)
S15         18   (TRANSGENIC (W) MOUSE) (S) (HUMAN (W) IMMUNOGLOBULIN?)
S16          8   RD (unique items)
?logoff
       08aug02 13:53:30 User259876 Session D382.2
            $6.49    2.028 DialUnits File155
               $5.25  25 Type(s) in Format  3
            $5.25  25 Types
    $11.74  Estimated cost File155
           $11.20    2.000 DialUnits File5
               $7.00  4 Type(s) in Format  3
            $7.00  4 Types
    $18.20  Estimated cost File5
           $19.50    2.167 DialUnits File73
              $12.50  5 Type(s) in Format  3
           $12.50  5 Types
    $32.00  Estimated cost File73
            OneSearch, 3 files,  6.195 DialUnits FileOS
     $4.76  TELNET
    $66.70  Estimated cost this search
    $67.08  Estimated total session cost   6.290 DialUnits


### Status: Signed Off. (22 minutes)
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Status: Path 1 of [Dialog Information Services via Modem]

Status: Initializing TCP/IP using (UseTelnetProto 1 ServiceID pto-dialog)
Trying 31060000009999...Open

DIALOG INFORMATION SERVICES
PLEASE LOGON:
 ******** HHHHHHHH SSSSSSSS?
Status: Signing onto Dialog
 ****
ENTER PASSWORD:
 ******** HHHHHHHH SSSSSSSS? ********
Welcome to DIALOG
Status: Connected

Dialog level 02.08.05D

Last logoff: 07aug02 07:40:24
Logon file001 08aug02 13:31:33
           *** ANNOUNCEMENT ***
                    ***
--Alerts has been enhanced to allow a single Alert profile to be
stored and run against multiple files. Duplicate removal is available
across files and for up to 12 months. The Alert may be run according
to the file's update frequency or according to a custom
calendar-based schedule. There are no additional prices for these
enhanced features. See HELP ALERT for more information.
                    ***
--U.S. Patents Fulltext (File 654) has been redesigned with
new search and display features. See HELP NEWS 654 for
information.
                    ***
--Dialog NewsRoom is now available. BEGIN NEWSROOM
to use the files in a OneSearch. See NEW FILES RELEASED
(below) for individual file numbers.
                    ***
--Connect Time joins DialUnits as pricing
options on Dialog. See HELP CONNECT for
information.
                    ***
--CLAIMS/US Patents (Files 340,341, 942) have been enhanced
with both application and grant publication level in a
single record. See HELP NEWS 340 for information.
                    ***
--SourceOne patents are now delivered to your
email inbox as PDF replacing TIFF delivery.
See HELP SOURCE1 for more information.
                    ***
--Important news for public and academic
libraries. See HELP LIBRARY for more information.
                    ***
--Important Notice to Freelance Authors--
See HELP FREELANCE for more information
                    ***
For information about the access to file 43 please see Help News43.
***
NEW FILES RELEASED
***Dialog NewsRoom - Current 3-4 months (File 990)
***Dialog NewsRoom - 2001 Archive (File 994)
***Dialog NewsRoom - 2000 Archive (File 995)
***TRADEMARKSCAN-Finland (File 679)
***TRADEMARKSCAN-Norway (File 678)
***TRADEMARKSCAN-Sweden (File 675)
                    ***

UPDATING RESUMED
***Delphes European Business (File 481)
***

RELOADED
***U.S. Patents Fulltext 1976-current (File 654)
***Population Demographics (File 581)
***Kompass Western Europe (File 590)
***D&B - Dun's Market Identifiers (File 516)
***CANCERLIT (File 159)
***TOXFILE (File 156)

REMOVED
***U.S. Patents Fulltext 1980-1989 (File 653)
***Washington Post (File 146)
***Books in Print (File 470)
***Court Filings (File 793)
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***Publishers, Distributors & Wholesalers of the U.S. (File 450)
***State Tax Today (File 791)
***Tax Notes Today (File 790)
***Worldwide Tax Daily (File 792)

New document supplier
IMED has been changed to INFOTRIE (see HELP OINFOTRI)

>>> Enter BEGIN HOMEBASE for Dialog Announcements <<<
>>> of new databases, price changes, etc. <<<
****

KWIC is set to 50.
HILIGHT set on as '*'
*** ***

File 1:ERIC 1966-2002/Jul 11
(c) format only 2002 The Dialog Corporation

Set Items Description
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Cost is in DialUnits
?b 155, 5, 73
08aug02 13:31:49 User259876 Session D382.1
$0.33 0.095 DialUnits File1
$0.33 Estimated cost File1
$0.05 TELNET
$0.38 Estimated cost this search
$0.38 Estimated total session cost 0.095 DialUnits

SYSTEM:OS - DIALOG OneSearch
File 155:MEDLINE(R) 1966-2002/Aug W1
***File 155: Alert feature enhanced for multiple files, duplicates**
removal, customized scheduling. See HELP ALERT.
File 5:Biosis Previews(R) 1969-2002/Aug W1
(c) 2002 BIOSIS
***File 5: Alert feature enhanced for multiple files, duplicates**
removal, customized scheduling. See HELP ALERT.
File 73:EMBASE 1974-2002/Aug W1
(c) 2002 Elsevier Science B.V.
***File 73: Alert feature enhanced for multiple files, duplicates**
removal, customized scheduling. See HELP ALERT.

Set Items Description
--- ----- -----------
?s (human (w) antibody (w) diplay (w) library)
17607004 HUMAN
1107062 ANTIBODY

```
            18  DIPLAY
        114247  LIBRARY
     S1       0  (HUMAN (W) ANTIBODY (W) DIPLAY (W) LIBRARY)
?s (human (w) Fab (w) display (w) library)
      17607004  HUMAN
         36241  FAB
        136148  DISPLAY
        114247  LIBRARY
     S2       0  (HUMAN (W) FAB (W) DISPLAY (W) LIBRARY)
?s (diplay (w) library) and (human (w) (antibody or antibodies))
Processing
            18  DIPLAY
        114247  LIBRARY
             0  DIPLAY(W)LIBRARY
      17607004  HUMAN
       1107062  ANTIBODY
        903498  ANTIBODIES
          7696  HUMAN(W)(ANTIBODY OR ANTIBODIES)
     S3       0  (DIPLAY (W) LIBRARY) AND (HUMAN (W) (ANTIBODY OR
                 ANTIBODIES))
?s (antibody (w) display (w) library)
       1107062  ANTIBODY
        136148  DISPLAY
        114247  LIBRARY
     S4      31  (ANTIBODY (W) DISPLAY (W) LIBRARY)
?s s4 and (transgenic (w) mouse)
            31  S4
        104716  TRANSGENIC
       1347006  MOUSE
         23019  TRANSGENIC(W)MOUSE
     S5       0  S4 AND (TRANSGENIC (W) MOUSE)
?rd s4
...completed examining records
     S6      12  RD S4 (unique items)
?t s6/3,k/all
```

6/3,K/1 (Item 1 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

13350691 22105956 PMID: 12110480

Identification of ABC transporters in vancomycin-resistant Enterococcus faecium as potential targets for antibody therapy(1).

Burnie James; Carter Tracey; Rigg Gordon; Hodgetts Samantha; Donohoe Michael; Matthews Ruth
Infectious Diseases Research Group, University of Manchester, Oxford Road, M13 9WL, Manchester, UK

FEMS immunology and medical microbiology (Netherlands) Jul 12 2002, 33 (3) p179-89, ISSN 0928-8244 Journal Code: 9315554
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: In Process

... LKPIRKKVGIVFQFP), and recombinant VRE ABC1 and VRE ABC2 expressed in Escherichia coli pBAD were then used to isolate human genetically recombinant antibodies from a phage *antibody* *display* *library*. An assessment of the protective potential of these antibodies was carried out in a mouse model of the infection. This study suggests that an ABC...

6/3,K/2 (Item 2 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

13208779 22031192 PMID: 12034110

Single-chain antibodies produced by phage display against the C-terminal 19 kDa region of merozoite surface protein-1 of Plasmodium yoelii reduce

parasite growth following challenge.
Vukovic Peter; Chen Ke; Qin Liu Xue; Foley Michael; Boyd Andrew; Kaslow David; Good Michael F
Cooperative Research Centre for Vaccine Technology, Queensland Institute of Medical Research, 300 Herston Road, P.O. Royal Brisbane Hospital, Qld. 40029, Herston, Australia
Vaccine (England) Jun 21 2002, 20 (21-22) p2826-35, ISSN 0264-410X Journal Code: 8406899
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: In Process

Antibodies have the potential to be therapeutic reagents for malaria. Here we describe the production of a novel phage *antibody* *display* *library* against the C-terminal 19kDa region of the Plasmodium yoelii YM merozoite surface protein-1 (MSP1(19)). In vivo studies against homologous lethal malaria challenge...

6/3,K/3 (Item 3 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

10757003 20295123 PMID: 10835006
Isolation of Acanthamoeba-specific antibodies from a bacteriophage display library.
Khan N A; Greenman J; Topping K P; Hough V C; Temple G S; Paget T A
Department of Biological Science, The University of Hull, Hull, United Kingdom HU6 7RX.
Journal of clinical microbiology (UNITED STATES) Jun 2000, 38 (6) p2374-7, ISSN 0095-1137 Journal Code: 7505564
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

... culture and microscopy. In this paper, we describe the isolation of antibody fragments that can be used for the unequivocal identification of Acanthamoeba. A bacteriophage *antibody* *display* *library* was used to isolate antibody fragments that bind specifically to Acanthamoeba. Individual clones were studied by enzyme-linked immunosorbent assay, flow cytometry, and immunofluorescence. Four...

6/3,K/4 (Item 4 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

10726898 20278098 PMID: 10816464
Identification of an immunodominant ABC transporter in methicillin-resistant Staphylococcus aureus infections.
Burnie J P; Matthews R C; Carter T; Beaulieu E; Donohoe M; Chapman C; Williamson P; Hodgetts S J
NeuTec Pharma plc, University of Manchester, Central Manchester Healthcare Trust, Manchester M13 9WL, United Kingdom.
Infection and immunity (UNITED STATES) Jun 2000, 68 (6) p3200-9, ISSN 0019-9567 Journal Code: 0246127
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

... of these epitopes, represented by peptides 1 (KIKVYVGNYDFWYQS), 2 (TVIVVSHDRHFLYNNV), and 3 (TETFLRGFLGRMLFS), were synthesized and used to isolate human recombinant antibodies from a phage *antibody* *display* *library*. Recombinant antibodies against peptides 1 and 2 gave logarithmic reductions in organ colony counts, compared with control groups, in a mouse

model of the infection..

6/3,K/5 (Item 5 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

10416460 99398409 PMID: 10469234
Dissecting the human peripheral B-cell compartment with phage display-derived antibodies.
van der Vuurst de Vries A; Logtenberg T
Department of Immunology, University Hospital Utrecht, The Netherlands.
Immunology (ENGLAND) Sep 1999, 98 (1) p55-62, ISSN 0019-2805 Journal Code: 0374672
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

Previously we have employed a large semisynthetic phage *antibody* *display* *library* , in combination with subtractive selection by flow cytometry to isolate phage antibodies specific for subpopulations of leucocytes. In this study, human tonsillar B cells were...

6/3,K/6 (Item 6 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

10263416 99239797 PMID: 10225291
Development of neutralising human recombinant antibodies to pertussis toxin.
Williamson P; Matthews R
University Department of Medical Microbiology, Manchester Royal Infirmary, UK.
FEMS immunology and medical microbiology (NETHERLANDS) Apr 1999, 23 (4) p313-9, ISSN 0928-8244 Journal Code: 9315554
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

A phage *antibody* *display* *library* of single chain Fv (scFv) was derived from the peripheral blood of two patients recently recovered from pertussis infection. Ten scFv, differentiated by DNA fingerprinting...

6/3,K/7 (Item 7 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

09356541 97268669 PMID: 9108077
Subtractive isolation of phage-displayed single-chain antibodies to thymic stromal cells by using intact thymic fragments.
Van Ewijk W; de Kruif J; Germeraad W T; Berendes P; Ropke C; Platenburg P P; Logtenberg T
Department of Immunology, Erasmus University of Rotterdam, The Netherlands.
Proceedings of the National Academy of Sciences of the United States of America (UNITED STATES) Apr 15 1997, 94 (8) p3903-8, ISSN 0027-8424 Journal Code: 7505876
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

... well as other endoderm- and ectoderm-derived epithelial cells. Cross-reaction of single-chain antibodies to human thymic stromal cells shows that our semisynthetic phage *antibody* *display* *library*, in

combination with the present subtractive approach, permits detection of evolutionary conserved epitopes expressed on subsets of thymic stromal cells.

6/3,K/8 (Item 8 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

09229222 97138126 PMID: 8985152
Biosynthetically lipid-modified human scFv fragments from phage display libraries as targeting molecules for immunoliposomes.
de Kruif J; Storm G; van Bloois L; Logtenberg T
Department of Immunology, Utrecht University, The Netherlands. j.deKruif@lab.azu.nl
FEBS letters (NETHERLANDS) Dec 16 1996, 399 (3) p232-6, ISSN 0014-5793 Journal Code: 0155157
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

A human anti-CD22 single chain (sc) Fv antibody fragment from a synthetic phage *antibody* *display* *library* was biosynthetically lipid-tagged by using Escherichia coli lipoprotein sequences. The purified anti-CD22 scFv lipoprotein was incorporated into liposomes by detergent dilution. Anti-CD22...

6/3,K/9 (Item 9 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

08842003 96201568 PMID: 8613367
Defining antibody targets in Streptococcus oralis infection.
Burnie J P; Brooks W; Donohoe M; Hodgetts S; al-Ghamdi A; Matthews R C
University Department of Medical Microbiology, Manchester Healthcare Trust, United Kingdom.
Infection and immunity (UNITED STATES) May 1996, 64 (5) p1600-8, ISSN 0019-9567 Journal Code: 0246127
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

... representing two of these epitopes, and peptide 3 (YEVEKPLEPAPVAPS), representing the repeat proline region, were synthesized. These three peptides were used to screen a phage *antibody* *display* *library* derived from a patient who had recovered from S. oralis infection. Two of the human recombinant antibodies produced (SORAL 3 and SORAL 4 against peptide...

6/3,K/10 (Item 10 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

08488825 95248551 PMID: 7731047
Selection and application of human single chain Fv antibody fragments from a semi-synthetic phage *antibody* *display* *library* with designed CDR3 regions.
de Kruif J; Boel E; Logtenberg T
Department of Immunology, University of Utrecht, The Netherlands.
Journal of molecular biology (ENGLAND) Apr 21 1995, 248 (1) p97-105, ISSN 0022-2836 Journal Code: 2985088R
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

Selection and application of human single chain Fv antibody fragments from a semi-synthetic phage *antibody* *display* *library* with designed CDR3 regions.

6/3,K/11 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

10639756 BIOSIS NO.: 199699260901
New perspectives on recombinant human antibodies.
AUTHOR: De Kruif J(a); Van Der Vuurst De Vries A R(a); Cilenti L(a); Boel E (a); Van Ewijk W; Logtenberg T(a)
AUTHOR ADDRESS: (a)Dep. Immunol., Univ. Hosp. Utecht, Utrecht**Netherlands
JOURNAL: Immunology Today 17 (10):p453-455 1996
ISSN: 0167-5699
DOCUMENT TYPE: Article
RECORD TYPE: Citation
LANGUAGE: English

MISCELLANEOUS TERMS: ...PHAGE-*ANTIBODY*-*DISPLAY* *LIBRARY*;

6/3,K/12 (Item 1 from file: 73)
DIALOG(R)File 73:EMBASE

06035501 EMBASE No: 1995065741
Patient-derived phage *antibody* *display* *library* as a source of human recombinant antibodies to candidal hsp 90
Matthews R.; Hodgetts S.; Burnie J.P.
Department of Medical Microbiology, Manchester University Medical School, Oxford Road,Manchester M13 9PT United Kingdom
Serodiagnosis and Immunotherapy in Infectious Disease (SERODIAGN. IMMUNOTHER. INFECT. DIS.) (United Kingdom) 1994, 6/4 (213-217)
CODEN: SIIDE ISSN: 0888-0786
DOCUMENT TYPE: Journal; Article
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

Patient-derived phage *antibody* *display* *library* as a source of human recombinant antibodies to candidal hsp 90

...to Candida albicans hsp 90 were prepared from the cDNA of the peripheral blood lymphocytes of a patient recently recovered from invasive candidiasis. The phage *antibody* *display* *library* was enriched for high affinity binders against the synthetic peptide NKILKVIRKNIVKK (B). This peptide is a dominant conserved epitope, previously identified as being the most...
?ds

Set	Items	Description
S1	0	(HUMAN (W) ANTIBODY (W) DIPLAY (W) LIBRARY)
S2	0	(HUMAN (W) FAB (W) DISPLAY (W) LIBRARY)
S3	0	(DIPLAY (W) LIBRARY) AND (HUMAN (W) (ANTIBODY OR ANTIBODIES))
S4	31	(ANTIBODY (W) DISPLAY (W) LIBRARY)
S5	0	S4 AND (TRANSGENIC (W) MOUSE)
S6	12	RD S4 (unique items)

```
?s s6 and (10.sup (w) 9)
              12  S6
               0  10.SUP
         1993063  9
               0  10.SUP(W)9
      S7       0  S6 AND (10.SUP (W) 9)
?s (human (w) antibody) (s) (transgenic (w) mouse)
Processing
```

```
       17607004  HUMAN
        1107062  ANTIBODY
         104716  TRANSGENIC
        1347006  MOUSE
     S8       9  (HUMAN (W) ANTIBODY) (S) (TRANSGENIC (W) MOUSE)
?rd
...completed examining records
     S9       5  RD (unique items)
?t s9/3,k/all
```

9/3,K/1 (Item 1 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

12523471 21370670 PMID: 11478394
Human antibody expression in transgenic mice.
Bruggemann M
Laboratory of Developmental Immunology, The Babraham Institute, Cambridge, UK. marianne.bruggemann@bbsrc.ac.uk
Archivum immunologiae et therapiae experimentalis (Poland) 2001, 49 (3) p203-8, ISSN 0004-069X Journal Code: 0114365
Document type: Journal Article; Review; Review, Tutorial
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

Human *antibody* repertoires can be created in transgenic mice following the introduction of human immunoglobulin heavy and light chain genes in their germline configuration. Transgene constructs or transloci have been obtained by plasmid assembly, cloning in yeast artificial chromosomes, and the use of chromosome fragments. Translocus integration and maintenance in *transgenic* *mouse* strains has been achieved by pronuclear DNA injection into oocytes and various transfection methods using embryonic stem cells. The human DNA segments rearrange faithfully in ...

9/3,K/2 (Item 2 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

10582491 20115633 PMID: 10648931
Selection of a human anti-progesterone antibody fragment from a transgenic mouse library by ARM ribosome display.
He M; Menges M; Groves M A; Corps E; Liu H; Bruggemann M; Taussig M J
Laboratory of Molecular Recognition, The Babraham Institute, Babraham, Cambridge, UK.
Journal of immunological methods (NETHERLANDS) Dec 10 1999, 231 (1-2) p105-17, ISSN 0022-1759 Journal Code: 1305440
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

... coupled reverse transcription-polymerase chain reaction (RT-PCR) performed on the intact complexes. Here, we describe the use of ARM display to select a specific *human* *antibody* fragment from a *transgenic* *mouse* library. The mice carry unrearranged gene segments of the human heavy (H) and kappa light (L) chain loci, while the endogenous murine H and kappa...

... by the same V(H) and V(L) segments and had similar properties to the fragments obtained in vitro. The combination of ribosome display and *transgenic* *mouse* technologies is a rapid means of generating fully *human* *antibody* fragments in vitro for expression and further manipulation.

9/3,K/3 (Item 3 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

10541511 20079509 PMID: 10610771
Dominance of intrinsic genetic factors in shaping the human immunoglobulin Vlambda repertoire.
Ignatovich O; Tomlinson I M; Popov A V; Bruggemann M; Winter G
MRC Laboratory of Molecular Biology, Hills Road, Cambridge, CB2 2QH, UK. oil@mrc-lmb.cam.ac.uk
Journal of molecular biology (ENGLAND) Nov 26 1999, 294 (2) p457-65, ISSN 0022-2836 Journal Code: 2985088R
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

... amplified from the human genomic DNA of peripheral blood cells. Secondly, we analysed Vlambda segment use in a library of 2000 cDNA clones from a *transgenic* *mouse* containing a 380 kb region (including 15 functional Vlambda segments) from the human immunoglobulin lambda locus. By hybridisation and sequencing we found that the patterns of use of human Vlambda segments in the *transgenic* *mouse* were similar to those found in the expressed human peripheral blood repertoire and in productive and non-productive genomic DNA rearrangements. These data indicate the...
... molecular mechanisms involved in the production of the antibody repertoire in mouse and man. Therefore, transgenic mice represent a good model for analysis of the *human* *antibody* repertoire and for the production of human antibodies. Copyright 1999 Academic Press.

9/3,K/4 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

13594366 BIOSIS NO.: 200200223187
A conjugate of a Cryptococcus neoformans' GXM-mimotope generate different antibody responses in human immunoglobulin transgenic mice.
AUTHOR: Maitta R W(a); Lees A; Pirofski L(a)
AUTHOR ADDRESS: (a)Albert Einstein College of Medicine, Bronx, NY**USA
JOURNAL: Abstracts of the General Meeting of the American Society for Microbiology 101p337 2001
MEDIUM: print
CONFERENCE/MEETING: 101st General Meeting of the American Society for Microbiology Orlando, FL, USA May 20-24, 2001
ISSN: 1060-2011
RECORD TYPE: Abstract
LANGUAGE: English

...ABSTRACT: carriers induced protection against a C. neoformans challenge. In this study, we examined the immunogenicity of a P13-tetanus toxoid (P13-TT) conjugate in a *transgenic* *mouse* strain reconstituted with human immunoglobulin loci (XenoMouse). Vaccination with the conjugate elicited IgM and low titers of IgG to GXM after boosting. P13-TT also...

...have the same idiotypic profile as naturally occurring and GXM-TT elicited antibodies found in humans. These findings support the use of this human immunoglobulin *transgenic* *mouse* model to study the *human* *antibody* response to C. neoformans.

9/3,K/5 (Item 1 from file: 73)
DIALOG(R)File 73:EMBASE

10512466 EMBASE No: 1999423573
Dominance of intrinsic genetic factors in shaping the human

immunoglobulin V(lambda) repertoire
Ignatovich O.; Tomlinson I.M.; Popov A.V.; Bruggemann M.; Winter G.
O. Ignatovich, MRC Laboratory of Molecular Biology, Hills Road, Cambridge CB2 2QH United Kingdom
AUTHOR EMAIL: oil@mrc-lmb.cam.ac.uk
Journal of Molecular Biology (J. MOL. BIOL.) (United Kingdom) 26 NOV 1999, 294/2 (457-465)
CODEN: JMOBA ISSN: 0022-2836
DOCUMENT TYPE: Journal; Article
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH
NUMBER OF REFERENCES: 51

...from the human genomic DNA of peripheral blood cells. Secondly, we analysed V(lambda) segment use in a library of 2000 cDNA clones from a *transgenic* *mouse* containing a 380 kb region (including 15 functional V(lambda) segments) from the human immunoglobulin it locus. By hybridisation and sequencing we found that the patterns of use of human V(lambda) segments in the *transgenic* *mouse* were similar to those found in the expressed human peripheral blood repertoire and in productive and non-productive genomic DNA rearrangements. These data indicate the...

...molecular mechanisms involved in the production of the antibody repertoire in mouse and man. Therefore, transgenic mice represent a good model for analysis of the *human* *antibody* repertoire and for the production of human antibodies.

?ds

Set	Items	Description
S1	0	(HUMAN (W) ANTIBODY (W) DIPLAY (W) LIBRARY)
S2	0	(HUMAN (W) FAB (W) DISPLAY (W) LIBRARY)
S3	0	(DIPLAY (W) LIBRARY) AND (HUMAN (W) (ANTIBODY OR ANTIBODIES))
S4	31	(ANTIBODY (W) DISPLAY (W) LIBRARY)
S5	0	S4 AND (TRANSGENIC (W) MOUSE)
S6	12	RD S4 (unique items)
S7	0	S6 AND (10.SUP (W) 9)
S8	9	(HUMAN (W) ANTIBODY) (S) (TRANSGENIC (W) MOUSE)
S9	5	RD (unique items)

?s (xenomouse) and (library (w) display)

	41	XENOMOUSE
	114247	LIBRARY
	136148	DISPLAY
	20	LIBRARY(W)DISPLAY
S10	0	(XENOMOUSE) AND (LIBRARY (W) DISPLAY)

?s (xenomouse)

S11	41	(XENOMOUSE)

?rd
...completed examining records

S12	23	RD (unique items)

?s s12 and (human (w) antibody)
Processing

	23	S12
	17607004	HUMAN
	1107062	ANTIBODY
	4531	HUMAN(W)ANTIBODY
S13	9	S12 AND (HUMAN (W) ANTIBODY)

?rd
...completed examining records

S14	9	RD (unique items)

?t s14/3,k/all

14/3,K/1 (Item 1 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

13111541 21964521 PMID: 11967016
Human antiglomerular basement membrane autoantibody disease in

***XenoMouse* II.**
Meyers Kevin E C; Allen Juanita; Gehret Jeffrey; Jacobovits Aya; Gallo Michael; Neilson Eric G; Hopfer Helmut; Kalluri Raghu; Madaio Michael P
Penn Center for Molecular Studies of Kidney Diseases, Department of Medicine, University of Pennsylvania, Philadelphia, Pennsylvania 19104, USA.
Kidney international (United States) May 2002, 61 (5) p1666-73, ISSN 0085-2538 Journal Code: 0323470
Contract/Grant No.: A1 27915; PHS; DK 33694; DK; NIDDK; DK-51711; DK; NIDDK; DK-55001; DK; NIDDK; DK45191; DK; NIDDK
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: In Process

Human antiglomerular basement membrane autoantibody disease in *XenoMouse* II.
...of the pathogenic human autoantibodies has been limited by a lack of a relevant disease model. Availability of engineered mice that produce antibodies (that is, *XenoMouse* II strains) provides an ideal opportunity to examine the *human* *antibody* response. METHODS: *XenoMouse* II mice that produce human IgG2 (gamma2kappa) in response to antigenic challenge were immunized with various forms of alpha3(IV)NC1 GBM collagen, including native...

... and mammalian fetal kidney 293 cell expressed r alpha3(IV)NC1 preparations. The mice were evaluated for autoantibody (Ab) production and nephritis. RESULTS: All immunized *XenoMouse* II animals produced human anti-GBM Ab associated with proliferative glomerulonephritis, linear IgG deposits along the murine GBM and tubular basement membrane (TBM), C3 deposits...

... Ig gamma2kappa), produced from a mouse immunized with native bovine alpha3(IV)NC1 collagen produced basement membrane deposits, nephritis and proteinuria on transfer to normal *XenoMouse* II. Furthermore, monoclonal antibodies (mAb) shared idiotypic properties with polyclonal autoantibodies derived from patients with anti-GBM disease, supporting a structural relationship among the antibodies...

14/3,K/2 (Item 2 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

11145266 21152854 PMID: 11255078
Development of ABX-EGF, a fully human anti-EGF receptor monoclonal antibody, for cancer therapy.
Yang X D; Jia X C; Corvalan J R; Wang P; Davis C G
Abgenix, Inc., 7601 Dumbarton Circle, Fremont, CA 94555, USA. yangxd@abgenix.com
Critical reviews in oncology/hematology (Ireland) Apr 2001, 38 (1) p17-23, ISSN 1040-8428 Journal Code: 8916049
Document type: Journal Article; Review; Review, Tutorial
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

... of EGFr and the growth factors could lead to the arrest of tumor growth and possibly result in tumor cell death. To this end, using *XenoMouse* technology, ABX-EGF, a human IgG2 monoclonal antibody (mAb) specific to human EGFr, has been generated. ABX-EGF binds EGFr with high affinity (5x10(-11...

... the tumor responses obtained from clinical trials with Herceptin, the humanized anti-HER2 antibody, in patients with HER2 overexpressing metastatic breast cancer. Being a fully *human* *antibody*, ABX-EGF is anticipated to exhibit a long serum half-life and minimal immunogenicity

with repeated administration, even in immunocompetent patients. These results demonstrate the...

14/3,K/3 (Item 3 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

10758500 20312475 PMID: 10855785
Transgenic mice as a source of fully human antibodies for the treatment of cancer.
Davis C G; Gallo M L; Corvalan J R
Abgenix, Inc, Fremont, CA 94555, USA. davis g@abgenix.com
Cancer and metastasis reviews (UNITED STATES) 1999, 18 (4) p421-5,
ISSN 0891-9992 Journal Code: 8605731
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

... has been driven by technology developments geared toward making antibodies less likely to elicit an anti-antibody response in humans. The development of transgenic mice, *XenoMouse* animals, capable of making fully human antibodies offers new opportunities for generating antibodies of therapeutic quality. Recently, this technology has been applied to the generation of a fully *human* *antibody* to the epidermal growth factor receptor. A description of the development of this antibody serves to illustrate the power and ease of use of *XenoMouse* technology.

14/3,K/4 (Item 4 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

10641476 20187445 PMID: 10722569
Production of protective human antipneumococcal antibodies by transgenic mice with human immunoglobulin loci.
Russell N D; Corvalan J R; Gallo M L; Davis C G; Pirofski L a
Department of Medicine, Division of Infectious Disease, Albert Einstein College of Medicine, Bronx, New York 10461, USA.
Infection and immunity (UNITED STATES) Apr 2000, 68 (4) p1820-6,
ISSN 0019-9567 Journal Code: 0246127
Contract/Grant No.: 1 P32 AI 07506; AI; NIAID; AI 35370; AI; NIAID
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

... insight into structure-function relationships for human antibodies to pneumococcal capsular polysaccharide (PPS), we studied the response of transgenic mice reconstituted with human immunoglobulin loci, *XenoMouse*, to PPS antigens in a pneumococcal vaccine. Enzyme-linked immunosorbent assays of sera from mice vaccinated with a 23-valent pneumococcal vaccine revealed that they...
... both, and a 1-microgram dose of one, significantly prolonged survival from a lethal serotype 3 infection in CBA/N mice. Our data show that *XenoMouse* mice produced protective, serotype-specific human antibodies to PPS 3, and they lend support to the proposal that these animals represent a useful model to study the *human* *antibody* response to PPS antigens.

14/3,K/5 (Item 5 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

10606679 20135856 PMID: 10671209
The human immunoglobulin loci introduced into mice: V (D) and J gene segment usage similar to that of adult humans.
Gallo M L; Ivanov V E; Jakobovits A; Davis C G

Abgenix, Inc., Fremont, [redacted] 94555, USA. gallo m@abgenix.[redacted]
European journal of immunology (GERMANY) Feb 2000, 30 (2) p534-40, ISSN 0014-2980 Journal Code: 1273201
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

Variable gene segments of the human immunoglobulin loci are represented in the human peripheral repertoire at different frequencies. *XenoMouse* strains contain approximately 2 megabases of the human immunoglobulin heavy and kappa light chain loci that functionally recapitulate the human humoral immune system. Analysis of *human* *antibody* transcripts from *XenoMouse* spleens and lymph nodes revealed that V, D and J gene segment utilization from these unimmunized animals were nearly identical to the gene segment utilization...

14/3,K/6 (Item 6 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

10190561 99194218 PMID: 10096554
Eradication of established tumors by a fully human monoclonal antibody to the epidermal growth factor receptor without concomitant chemotherapy.
Yang X D; Jia X C; Corvalan J R; Wang P; Davis C G; Jakobovits A
Abgenix, Inc., Fremont, California 94555, USA. yang xd@abgenix.com
Cancer research (UNITED STATES) Mar 15 1999, 59 (6) p1236-43, ISSN 0008-5472 Journal Code: 2984705R
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

A fully human IgG2kappa monoclonal antibody (MAb), E7.6.3, specific to the human epidermal growth factor (EGF) receptor (EGFr) was generated from *human* *antibody*-producing *XenoMouse* strains engineered to be deficient in mouse antibody production and to contain the majority of the *human* *antibody* gene repertoire on megabase-sized fragments from the human heavy and kappa light chain loci. The E7.6.3 MAb exhibits high affinity (KD = 5 ...

... a monotherapeutic agent for the treatment of multiple EGFr-expressing human solid tumors, including those for which no effective chemotherapy is available. Being a fully *human* *antibody*, E7.6.3 is expected to exhibit minimal immunogenicity and a longer half-life as compared with mouse or mouse-derivatized MAbs, thus allowing repeated...

14/3,K/7 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

13594366 BIOSIS NO.: 200200223187
A conjugate of a Cryptococcus neoformans' GXM-mimotope generate different antibody responses in human immunoglobulin transgenic mice.
AUTHOR: Maitta R W(a); Lees A; Pirofski L(a)
AUTHOR ADDRESS: (a)Albert Einstein College of Medicine, Bronx, NY**USA
JOURNAL: Abstracts of the General Meeting of the American Society for Microbiology 101p337 2001
MEDIUM: print
CONFERENCE/MEETING: 101st General Meeting of the American Society for Microbiology Orlando, FL, USA May 20-24, 2001
ISSN: 1060-2011
RECORD TYPE: Abstract
LANGUAGE: English

...ABSTRACT: In this stu[redacted] we examined the immunogenicity [redacted]f a P13-tetanus toxoid (P13-TT) conjugate in a transgenic mouse strain reconstituted with human immunoglobulin loci (*XenoMouse*). Vaccination with the conjugate elicited IgM and low titers of IgG to GXM after boosting. P13-TT also elicited IgM and IgG to P13 and...

...naturally occurring and GXM-TT elicited antibodies found in humans. These findings support the use of this human immunoglobulin transgenic mouse model to study the *human* *antibody* response to C. neoformans.

14/3,K/8 (Item 1 from file: 73)
DIALOG(R)File 73:EMBASE

10717619 EMBASE No: 2000205827
Transgenic mice as a source of fully human antibodies for the treatment of cancer
C.G. Davis, Abgenix, Inc., 7601 Dumbarton Circle, Fremont, CA 94555
Cancer and Metastasis Reviews (CANCER METASTASIS REV.) (Netherlands) 1999, 18/4 (421-425)
CODEN: CMRED ISSN: 0167-7659
DOCUMENT TYPE: Journal; Article
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH
NUMBER OF REFERENCES: 10

...has been driven by technology developments geared toward making antibodies less likely to elicit an anti-antibody response in humans. The development of transgenic mice, *XenoMouse*(TM) animals, capable of making fully human antibodies offers new opportunities for generating antibodies of therapeutic quality. Recently, this technology has been applied to the generation of a fully *human* *antibody* to the epidermal growth factor receptor. A description of the development of this antibody serves to illustrate the power and ease of use of *XenoMouse* technology.
DEVICE BRAND NAME/MANUFACTURER NAME: *XenoMouse*

14/3,K/9 (Item 2 from file: 73)
DIALOG(R)File 73:EMBASE

07221130 EMBASE No: 1998120487
The long-awaited magic bullets: Therapeutic human monoclonal antibodies from transgenic mice
Jakobovits A.
A. Jakobovits, Discovery Research, Abgenix Inc., 7601 Dumbarton Circle, Fremont, CA 94555 United States
Expert Opinion on Investigational Drugs (EXPERT OPIN. INVEST. DRUGS) (United Kingdom) 1998, 7/4 (607-614)
CODEN: EOIDE ISSN: 1354-3784
DOCUMENT TYPE: Journal; Article
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH
NUMBER OF REFERENCES: 13

...production of therapeutic human mAbs: a mouse strain engineered to produce a large range of human antibodies in the absence of mouse antibodies. This strain, *XenoMouse*, has been generated by the introduction of large segments of human immunoglobulin loci, containing the majority of the *human* *antibody* gene repertoire, into mice deficient in mouse antibody production. The mice produce a diverse array of authentic fully human IgGkappa antibodies. Upon immunisation with multiple human antigens the mice generate large panels of high affinity, antigen-specific fully human mAbs with therapeutic activities. *XenoMouse*-derived hybridomas were shown to be stable, producing significant levels of human mAbs. *XenoMouse* technology represents an efficient and reliable tool for the production of therapeutic human mAbs, which can accelerate the

evaluation and validation of antibody therapy in...
?ds

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Set     Items   Description
S1          0   (HUMAN (W) ANTIBODY (W) DIPLAY (W) LIBRARY)
S2          0   (HUMAN (W) FAB (W) DISPLAY (W) LIBRARY)
S3          0   (DIPLAY (W) LIBRARY) AND (HUMAN (W) (ANTIBODY OR ANTIBODIE-
              S))
S4         31   (ANTIBODY (W) DISPLAY (W) LIBRARY)
S5          0   S4 AND (TRANSGENIC (W) MOUSE)
S6         12   RD S4 (unique items)
S7          0   S6 AND (10.SUP (W) 9)
S8          9   (HUMAN (W) ANTIBODY) (S) (TRANSGENIC (W) MOUSE)
S9          5   RD (unique items)
S10         0   (XENOMOUSE) AND (LIBRARY (W) DISPLAY)
S11        41   (XENOMOUSE)
S12        23   RD (unique items)
S13         9   S12 AND (HUMAN (W) ANTIBODY)
S14         9   RD (unique items)
?s (transgenic (w) mouse) (s) (human (w) immunoglobulin?)
         104716  TRANSGENIC
        1347006  MOUSE
       17607004  HUMAN
         525248  IMMUNOGLOBULIN?
    S15      18  (TRANSGENIC (W) MOUSE) (S) (HUMAN (W) IMMUNOGLOBULIN?)
?rd
...completed examining records
    S16       8  RD (unique items)
?t s16/3,k/all
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16/3,K/1 (Item 1 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

13153957 22001045 PMID: 12006160
Production of Human Monoclonal and Polyclonal Antibodies in TransChromo Animals.
Ishida Isao; Tomizuka Kazuma; Yoshida Hitoshi; Tahara Tomoyuki; Takahashi Nobuaki; Ohguma Atsuko; Tanaka Sonoko; Umehashi Misako; Maeda Hiroaki; Nozaki Chikateru; Halk Ed; Lonberg Nils
The Human Antibody Project, Yokohama, Japan.
Cloning Stem Cells (United States) 2002, 4 (1) p91-102, ISSN 1536-2302 Journal Code: 101125444
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: In Process

... a human chromosome fragment (HCF) as a vector. TC technology has been applied to the construction of the TC Mouse,trade mark which incorporates entire *human* *immunoglobulin* (hIg) loci. TC Mousetrade mark expresses a fully diverse repertoire of hIgs, including all the subclasses of IgGs (IgG1-G4). Immunization of the TC Mousetrade...

...to this problem was to cross-breed the Kirin TC Mousetrade mark carrying the HCF14, which was stable in mouse cells, with the Medarex YAC-*transgenic* *mouse* carrying about 50% of the hIgVkappa gene segments as a region that is stably integrated into the mouse genome. The resulting mouse, dubbed the KM...

16/3,K/2 (Item 2 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

12523471 21370670 PMID: 11478394
Human antibody expression in transgenic mice.
Bruggemann M

Laboratory of Developmental Immunology, The Babraham Institute, Cambridge, UK. marianne.bruggemann@bbsrc.ac.uk
Archivum immunologiae et therapiae experimentalis (Poland) 2001, 49 (3) p203-8, ISSN 0004-069X Journal Code: 0114365
Document type: Journal Article; Review; Review, Tutorial
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

Human antibody repertoires can be created in transgenic mice following the introduction of *human* *immunoglobulin* heavy and light chain genes in their germline configuration. Transgene constructs or transloci have been obtained by plasmid assembly, cloning in yeast artificial chromosomes, and the use of chromosome fragments. Translocus integration and maintenance in *transgenic* *mouse* strains has been achieved by pronuclear DNA injection into oocytes and various transfection methods using embryonic stem cells. The human DNA segments rearrange faithfully in...

16/3,K/3 (Item 3 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

10541511 20079509 PMID: 10610771
Dominance of intrinsic genetic factors in shaping the human immunoglobulin Vlambda repertoire.
Ignatovich O; Tomlinson I M; Popov A V; Bruggemann M; Winter G
MRC Laboratory of Molecular Biology, Hills Road, Cambridge, CB2 2QH, UK. oil@mrc-lmb.cam.ac.uk
Journal of molecular biology (ENGLAND) Nov 26 1999, 294 (2) p457-65, ISSN 0022-2836 Journal Code: 2985088R
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

The expressed *human* *immunoglobulin* Vlambda repertoire demonstrates a strong bias in the use of individual Vlambda segments. Mechanisms that underlie such biases can be divided into two categories: intrinsic...

... amplified from the human genomic DNA of peripheral blood cells. Secondly, we analysed Vlambda segment use in a library of 2000 cDNA clones from a *transgenic* *mouse* containing a 380 kb region (including 15 functional Vlambda segments) from the *human* *immunoglobulin* lambda locus. By hybridisation and sequencing we found that the patterns of use of human Vlambda segments in the *transgenic* *mouse* were similar to those found in the expressed human peripheral blood repertoire and in productive and non-productive genomic DNA rearrangements. These data indicate the...

16/3,K/4 (Item 4 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

10369465 99375552 PMID: 10444358
Differential effects of administration of a human anti-CD4 monoclonal antibody, HM6G, in nonhuman primates.
Fishwild D M; Hudson D V; Deshpande U; Kung A H
GenPharm International, San Jose, California, 95131, USA. dfishwild@genpharm.com
Clinical immunology (Orlando, Fla.) (UNITED STATES) Aug 1999, 92 (2) p138-52, ISSN 1521-6616 Journal Code: 100883537
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

A human sequence IgGkappa anti-CD4 monoclonal antibody (mAb), HM6G,

originally isolated fr[redacted]a *human* *immunoglobulin* *t[redacted]sgenic* *mouse* was specific for and bound with high binding avidity to the CD4 antigen expressed on human, chimpanzee, and cynomolgus monkey T cells. Prior to testing...

16/3,K/5 (Item 5 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

09851413 98294464 PMID: 9631008
High-avidity human IgG kappa monoclonal antibodies from a novel strain of minilocus transgenic mice.
Fishwild D M; O'Donnell S L; Bengoechea T; Hudson D V; Harding F; Bernhard S L; Jones D; Kay R M; Higgins K M; Schramm S R; Lonberg N
Department of Hybridoma Development, GenPharm International, Mountain View, CA 94043, USA. dfishwild@genpharm.com
Nature biotechnology (UNITED STATES) Jul 1996, 14 (7) p845-51, ISSN 1087-0156 Journal Code: 9604648
Comment in Nat Biotechnol. 1996 Jul;14(7) 826; Comment in PMID 9631000
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

Human *immunoglobulin* transgenic mice provide a method of obtaining human monoclonal antibodies (Mabs) using conventional hybridoma technology. We describe a novel strain of *human* *immunoglobulin* transgenic mice and the use of this strain to generate multiple high-avidity human sequence IgG kappa Mabs directed against a human antigen. The light...
... display properties similar to those of wild-type mice including stability, growth, and secretion levels. Mabs with four distinct specificities were derived from a single *transgenic* *mouse*, consistent with an extensive diversity in the primary repertoire encoded by the transgenes.

16/3,K/6 (Item 6 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

06350825 90046729 PMID: 2510157
Immunoglobulin double-isotype expression by trans-mRNA in a *human* *immunoglobulin* *transgenic* *mouse*.
Shimizu A; Nussenzweig M C; Mizuta T R; Leder P; Honjo T
Center for Molecular Biology and Genetics, Kyoto University, Japan.
Proceedings of the National Academy of Sciences of the United States of America (UNITED STATES) Oct 1989, 86 (20) p8020-3, ISSN 0027-8424 Journal Code: 7505876
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

Immunoglobulin double-isotype expression by trans-mRNA in a *human* *immunoglobulin* *transgenic* *mouse*.

16/3,K/7 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

13594366 BIOSIS NO.: 200200223187
A conjugate of a Cryptococcus neoformans' GXM-mimotope generate different antibody responses in human immunoglobulin transgenic mice.
AUTHOR: Maitta R W(a); Lees A; Pirofski L(a)
AUTHOR ADDRESS: (a)Albert Einstein College of Medicine, Bronx, NY**USA
JOURNAL: Abstracts of the General Meeting of the American Society for